

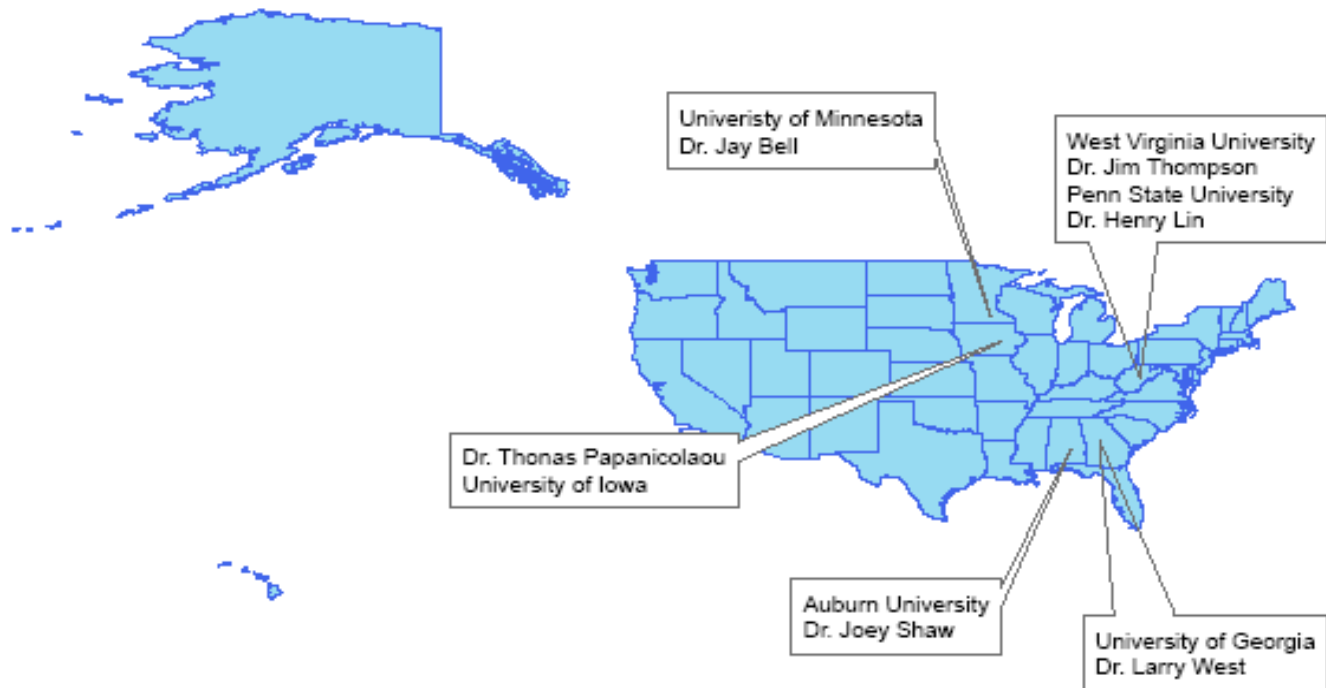
NCSS Hydropedology Research Program

- Funded through the Cooperative Ecosystems Studies Unit (CESU)
- Funding for projects available from the National Geospatial Development Center
- Currently accepting proposals (accepted until the end of the FY-September 30) for potential funding in FY 08
- Conducted collaboratively with the National Soil Survey Center, National Geospatial Development Center and Cooperating University (Principal Investigator)

Objectives of the Research Program

- Investigation and documentation for:
 - measured/verified data for inclusion into the database
 - Infiltration (variety of techniques)
 - Subsurface water movement (variety of techniques)
 - Water table information
 - Extrapolation to a watershed scale
 - Variety of land uses-cropland, pasture, woodland, different tillage systems
 - On Benchmark soils and catenas

Hydropedology Research Sites



Current Projects

- Dr. Thanos Papanicolaou-University of Iowa/Dr. Lee Burras-Iowa State University
 - Field and Laboratory Investigation of Infiltration on Different Geomorphic Surfaces in a Watershed and Under Different Land Uses
- Dr. Jim Thompson-West Virginia University, Dr. Henry Lin, Penn State University
 - Seasonal Infiltration and Subsurface Water Dynamics across Benchmark Soils of Eastern West Virginia
- Dr. Joey Shaw, Auburn University
 - Order 1 Soil Survey, Landscape Attributes, Management-dependent Soil Properties, and Simulation Modeling to Predict Seasonal Saturation of Plinthic Soils in the Southeastern Coastal Plain in Alabama
- Dr. Larry West
 - Order 1 Soil Survey, Landscape Attributes, Management-dependent Soil Properties, and Simulation Modeling to Predict Seasonal Saturation of Plinthic Soils in the Southeastern Coastal Plain in Georgia
- Dr. Jay Bell
 - Scientific Visualization of the Genesis and Hydrology of a Loess Landscape in Southeastern Minnesota